

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) Coating for an interior surface of a steam-generating device, comprising a first layer deposited on the interior surface and a second layer deposited over the first layer, wherein the first layer is essentially impermeable to water and is thermally insulating and the second layer is hydrophilic.

2. (Currently amended) Coating—The coating according to claim 1, characterized in that wherein the second layer is a porous layer.

3. (Currently amended) Coating—The coating according to claim 1, characterized in that wherein the first layer comprises at least one of a polyimide, polyamide-imide, enamel, phosphate glass, and a sol-gel-derived material derived by a sol-gel process, or a combination thereof.

4. (Currently amended) Coating—The coating according to claim 3, characterized in that wherein first the layer also comprises inorganic particles.

5. (Currently amended) Coating—The coating according to claim 1, characterized in that wherein the second layer comprises a phosphate glass, or a sol-gel-derived material

6. (Currently amended) Ceating The coating according to claim 1, characterized in that wherein the second layer comprises inorganic particles.

7. (Currently amended) Ceating The coating according to claim 1, characterized in that wherein the second layer comprises silica particles.

8. (Currently amended) Ceating The coating according to claim 1, characterized in that wherein the second layer comprises particles with an average diameter smaller than 1 μm .

9. (Currently amended) Ceating The coating according to claim 1, characterized in that the layer wherein a thickness of the first layer is between 10-30 and 100 μm and that of the second layer is between 1 and 15 μm 10 and 25 μm .

10. (Currently amended) Ceating The coating according to claim 9, characterized in that wherein the steam-generating device is part of an electrical domestic appliance such as a steam iron, a system iron, a steamer, a garment cleaner, a heated ironing board, or a facial steamer.

11. (New) The coating accordingly to claim 1, wherein the first coating is selected to adhere to a metal surface of the steam-generating device.

12. (New) The coating accordingly to claim 1, wherein a composition of the first layer and the second layer is substantially similar and wherein properties of the first and second layers are

determined by applying a different technique to deposit each of the first and second layers.

13. (New) The coating accordingly to claim 12, wherein the first layer is applied by spraying the first layer onto the interior surface of the steam-generating device from a close range to form initially a dense wet first layer.

14. (New) The coating accordingly to claim 12, wherein the second layer is applied by spraying the second layer onto the first layer from a range selected to enable evaporation of solvent from sprayed droplets of the second layer before reaching a surface of the first layer.

15. (New) The coating accordingly to claim 1, wherein a composition of starter materials of the first layer and the second layer are substantially similar and wherein properties of the first and second layers are determined by selecting different binder to filler ratios for each of the first and second layers.

16. (New) The coating accordingly to claim 1, wherein each of the first layer and the second layer are selected to have a composition that is thermally stable.

17. (New) The coating accordingly to claim 1, wherein the second layer is comprised of mono-aluminum phosphate binders filled with inorganic particles.

18. (New) The coating accordingly to claim 1, wherein the inorganic particles are selected from

a group comprising clay particles, SiO₂ particles, and Al₂O₃ particles.

19. (New) The coating accordingly to claim 1, wherein compositions of the first and the second layers are selected to be cured during a same curing cycle to improve adhesion between the first and second layers.